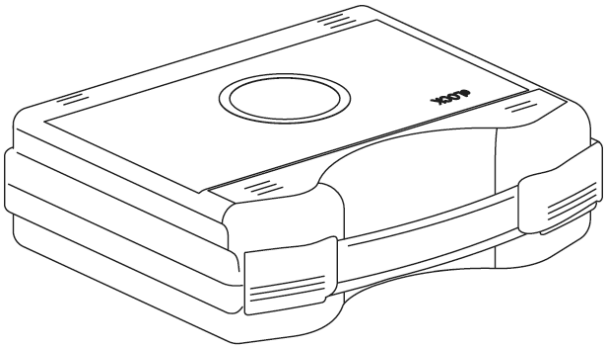
Operating instructions

Case External power supply
ES6781



Contents

1 Introduction

About these instructions

These instructions contain important notes and information on operation of the external power supply (EPS).

- Read through the instructions carefully and attentively.
- Keep the instructions in a safe place and pass them on to each subsequent user of the EPS.

Explanation of the Symbols and Signal Words Used

⚠ WARNING	Indicates risks which could result in fatal or severe personal injuries.
⚠ CAUTION	Indicates risks which could result in fatal or severe personal injuries.
CAUTION	Indicates risks which could result in damage to property.
Note	Denotes information, notes and tips on optimum use of the instructions and the product.

Target group

These instructions are directed at competent personnel entrusted with the servicing, maintenance and disposal of trouble-free operation of a OPERTIS lock system and who has successfully completed suitable vocational training for these activities or has had the necessary appropriate experience.

OPERTIS Support

If you have any questions extending beyond the information provided in these instructions, please contact

OPERTIS GmbH
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Up-to-date status of the information

All details on the product, images, dimensions and models correspond to the status at the time the product is delivered. We reserve the right to make changes due to technical progress and the resulting continuous improvement process to which our products are subjected.

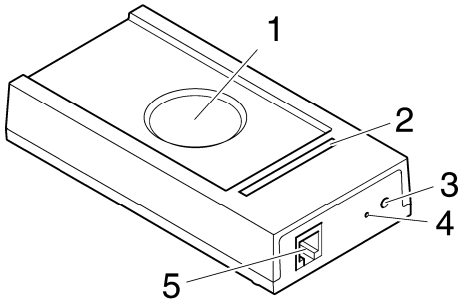
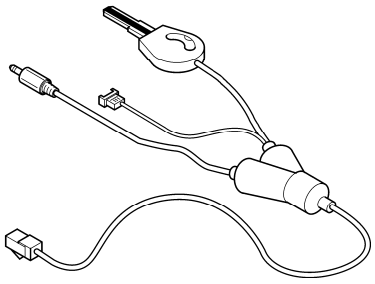
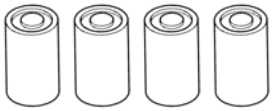
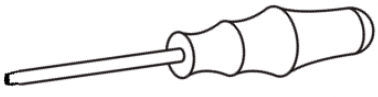
The current version of these instructions and further information is also available on our internet site www.opertis.de.

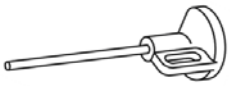
Dated 02/2014

2 Product Description

Included in delivery

The case is supplied with the following contents:

Part	Nomenclature
	External power supply (EPS) 1 → Contact area for identifier 2 → Signalling LEDs 3 → ON button 4 → Clear button (no function) 5 → Connection for interface cable
	ES6793 Interface cable
	4 piece 3 volt lithium-battery CR2
	3 volt lithium-battery CR-V3
	Unlocking tool
	Screwdriver

	Cover lifter
	Opener for cap
	Installing pin

Functional principle

The external power supply (EPS) is used to supply power to fittings with completely flat batteries or fittings which, following repeated battery warnings, can no longer be actuated; see eLOCK system documentation "Battery Warnings" section.

The EPS is connected to the fitting to be opened using the interface cable supplied.

A MASTER IT authorised at the fitting is placed on the EPS and the opening is started at the press of a button.

The EPS supplies the necessary supply voltage to open the fitting.

The individual steps for the external power supply are indicated visually by the signalling LEDs on the top of the EPS as well as acoustically by an internal buzzer.

Detailed information

Further information on the product is given in Section 8 "Product Specifications".

3 Intended Use

Area of use

The external power supply is designed for supplying power to electronic fittings with a flat battery in a OPERTIS lock system.

Condition of the product

The external power supply may only be used if it is in a technically perfect condition.

Independent modifications and changes to the product are not allowed.

Ambient conditions

Use in a particularly polluted environment, e.g. in aggressive gases, high humidity, in extreme temperatures or in a very dusty environment, is not allowed. If you have any questions, please contact OPERTIS Support.

Residual risk

If used properly and if the maintenance instructions are followed, this product will support your property security.

However, the following residual risk cannot be excluded:

- If the EPS or the interface cable is defective and the battery in the fitting is flat, they cannot be used to open the door.

4 Safety Instructions

The following safety instructions must be read and followed before use! OPERTIS does not accept any liability whatsoever for personal losses or injuries or damage to property caused by failure to note and follow these instructions!

WARNING

Risk of personal injuries

The tip of the screwdriver supplied is very sharp. There is a risk of cuts or stab wounds.

Use the screwdriver only to remove the masking cap of the fitting. After use, return the holder to the case.

CAUTION

Risk of locking in or out

The battery can leak and damage the EPS so that it can then no longer provide any power supply for the fitting.

Check the battery each month for correct function and replace it with a new one each year.

CAUTION

Risk of locking in or out

If there is a flat battery in the fitting the door can only be opened with an EPS or with the help of mechanical aids.

Ensure that a second fully charged battery or a power pack for the EPS is always available to ensure a power supply can be provided for the fitting.

CAUTION

Unauthorised access

Unauthorised persons can gain access with the MASTER IT and EPS.

Ensure that authorised persons only have access to the MASTER IT and EPS.

CAUTION

Risk of malfunctions

Unauthorised access

An external power supply can only be provided from the outside (profile cylinder cover without opening button) in the Comfort System. If the EPS is connected on the inside (profile cylinder cover with opening button), no external power supply is provided. Lever handles coupled in Active Power Off remain coupled until an external power supply is correctly provided. Therefore, any person has access.

The external power supply must be connected to the outside of the door.

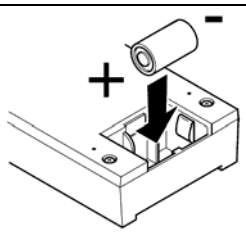
5 Use and Operation

Insert battery

Note

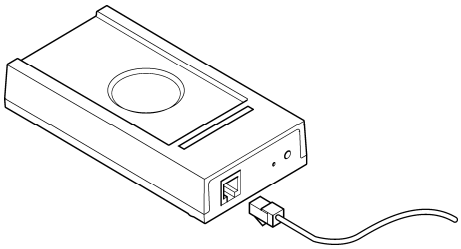
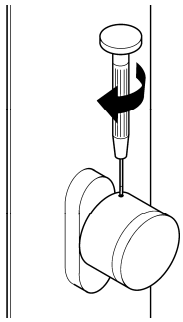
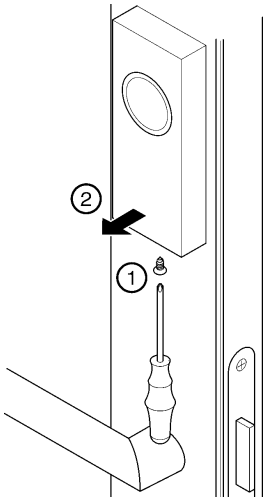
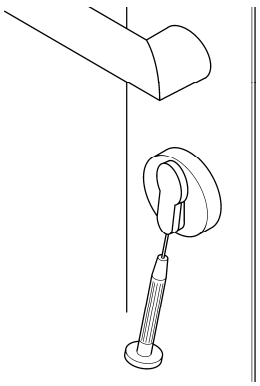
Note the battery type information in Section "Technical data".

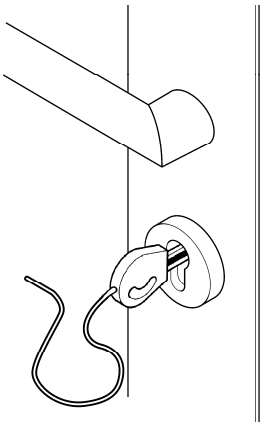
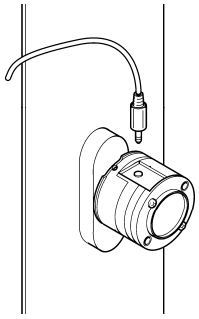
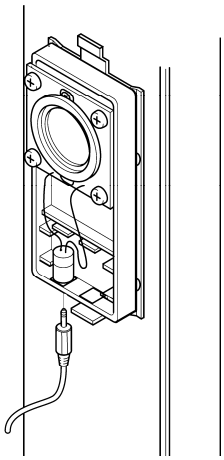
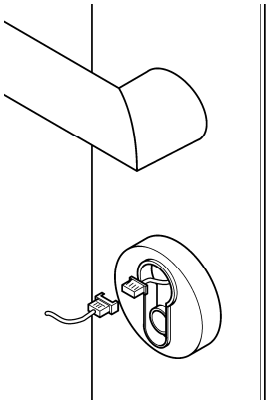
Proceed as follows:

Step	Activity	Figure
1	Open the battery compartment on the rear of the EPS.	
2	Insert the battery with correct polarity (note the + and - markings).	
3	Close the battery compartment.	

Connect interface cable

Proceed as follows:

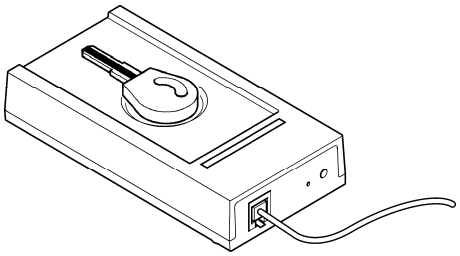
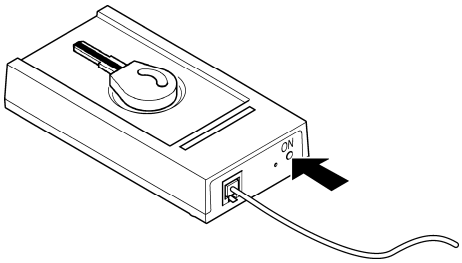
Step	Activity	Figure
1	Connect the connector of the interface cable to the EPS.	
2	**Double knob cylinders and half-cylinders:** Use a screwdriver to open the masking cap.	
	Framed door system: Use a screwdriver to open the cover.	
	Comfort system, Comfort system for glass doors and APS comfot system: ○ Use the screwdriver to carefully lever off the profile cylinder cover on the outside. ○ Carefully remove the connector from the profile cylinder cover.	

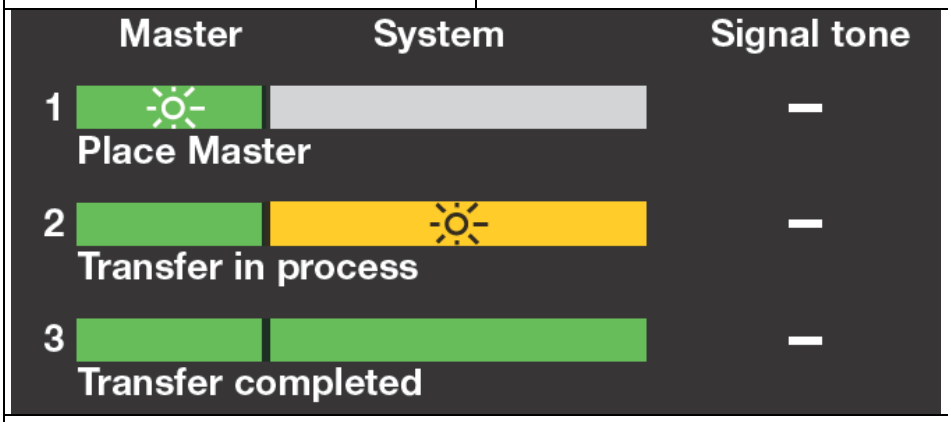
Step	Activity	Figure
3	**Lock cylinder:** Insert the key of the interface cable.	
	Double knob cylinder: Insert the jack plug of the interface cable.	
	Framed door system: Insert the jack plug of the interface cable.	
	Comfort system, Comfort system for glass doors and APS comfot system: Insert the 2-pole plug connector of the interface cable on the outside of the door.	

Power supply / carry out opening

The signalling of the system states, events and possible errors is given in Section "Visual and acoustic signals".

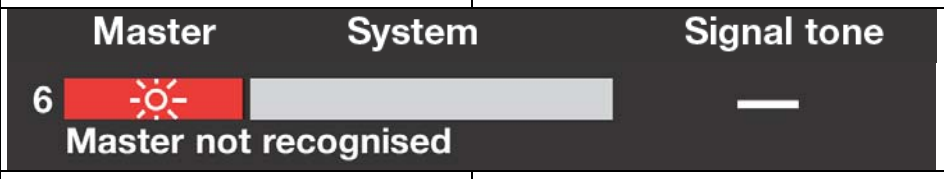
Proceed as follows:

Step	Activity	Figure
4	Place a MASTER IT authorised for the fitting to be activated on the EPS.	
5	Press the ON button on the front side of the EPS. The end of the transfer is signalled by a short sound and two green illuminated LEDs The fitting should now be activated. **Note:** There is no signalling of whether the fitting has successfully been activated or not. If not, proceed as follows:	



If the fitting was not activated in the first step, renewed activation attempts follow. During this time, which can last max. 20s, there is no EPS signalling. This must remain connected to the fitting during this time and automatically starts the next activation attempt.

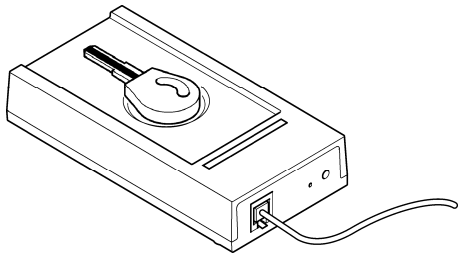
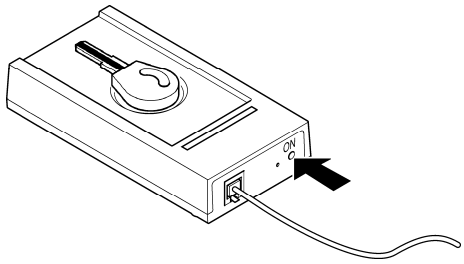
Signalling key:

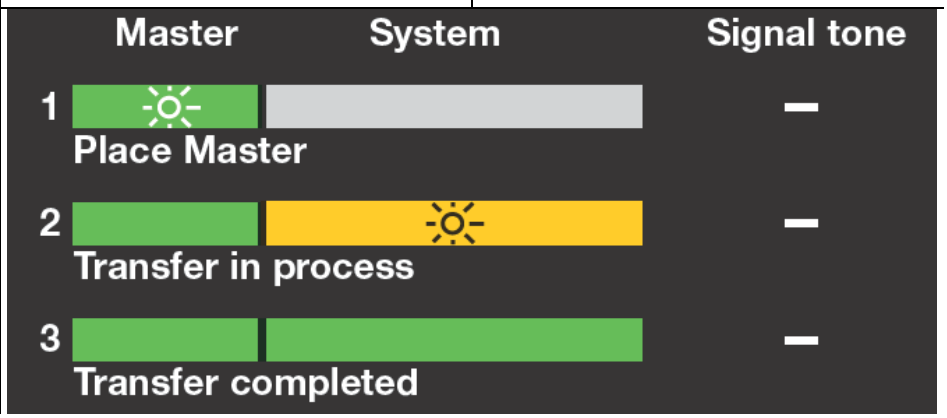
	Complete the following procedure if the fitting has still not activated after 5 repeated attempts: Determine and correct cause of error, see Section 7 "Problems and solutions“. Repeat procedure.	
	If the EPS does not recognise the MASTER IT this is signalled by a long and a short sound and a red flashing MASTER LED. You should then proceed as follows: Determine and remove the cause of the error, see Section 7 "Problems and Solutions". Repeat the procedure.	
		
6	Open the door.	
7	Insert new battery in the fitting, see separate operating instructions.	

Signalling key:

Note

The following two steps are necessary so that the fitting recognises the new inserted battery. This is not necessary for the ES6220 half-cylinder.

8	Place a MASTER IT authorised for the fitting to be opened on the EPS.	
9	Press the ON button on the front side of the EPS. Successful activation is signalled by a short sound and two green illuminated LEDs. The fitting should now be activated. **Note:** There is no signalling of whether the fitting has successfully been activated or not. If not, proceed as follows: Determine and remove the cause of the error, see Section 7 "Problems and Solutions". Repeat the procedure.	

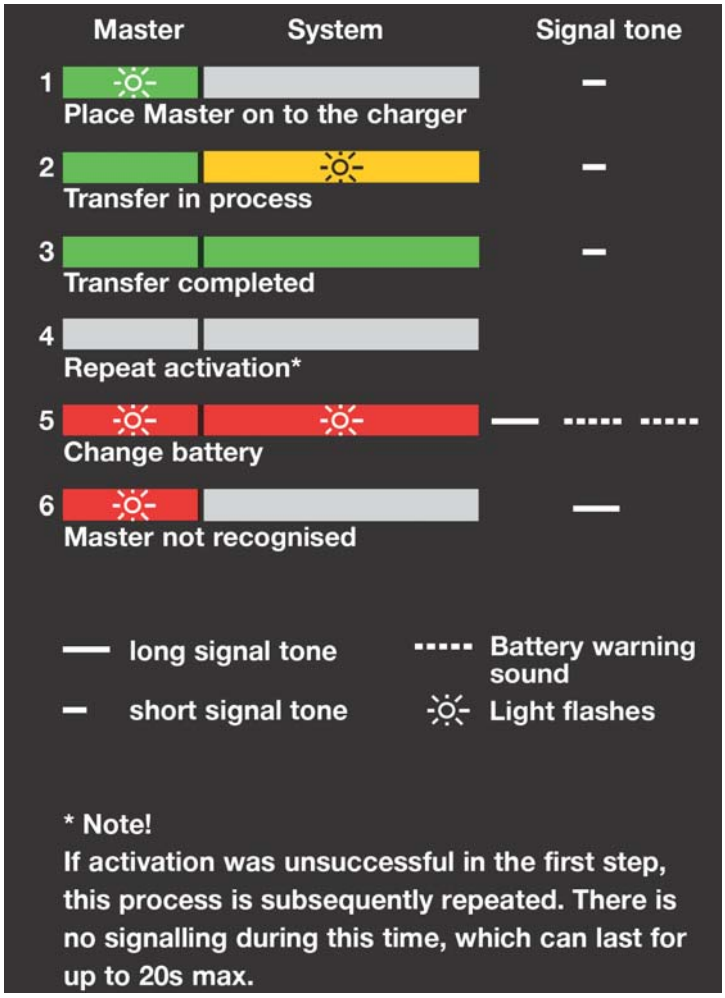


Signalling key:

Visual and acoustic signals

The EPS emits acoustic and visual signals for certain system states and events.

The following diagrams show the complete visual and acoustic signals. They are also located on the back of the external power supply (EPS).



6 Servicing, Cleaning and Maintenance

The servicing, cleaning and maintenance may be carried out by qualified personnel only.

Warranty cover is excluded for damage caused by improper handling.

Servicing

The external power supply (EPS) requires no servicing.

Cleaning and maintenance

CAUTION

Risk of personal injuries

The information transfer from the external power supply (EPS) to the fittings takes place via the EPS interface cable. Heavy soiling or liquids such as water or oils can prevent communication so that it is possible for people to be locked in or out. Check the interface cable for dirt regularly and if necessary clean.

CAUTION

Damage to property due to incorrect cleaning

Incorrect cleaning can cause the surfaces to be attacked and damaged:

- Do not use any alkali or acidic cleaning agents or cleaning agents containing chlorine.
- Do not use cleaning agents with scouring additives.
- Do not use scouring instruments, e.g. brushes.

Proceed as follows:

Step	Activity	Figure
1	Wipe surfaces with a damp cloth.	

7 Problems and Solutions

Problem	Possible cause	Solution
External power supply (EPS) does not perform any activation.	EPS battery is flat or defective.	Change battery.
	Foreign body in keyway (lock cylinder only).	Remove foreign body.
	MASTER IT does not belong to building.	Use MASTER IT of the correct building.
	Fitting cable is defective.	Replace fitting cable.
	Fitting cable is not connected.	Connect fitting cable.
	EPS is defective.	Replace EPS.
	Fitting is defective.	Replace fitting.
Fitting does not respond after battery change or signals a flat battery.	Fitting has not recognised the new battery.	Repeat Steps 8 and 9.
	Flat battery inserted in fitting.	Insert fully charged battery in fitting.

8 Product Specifications

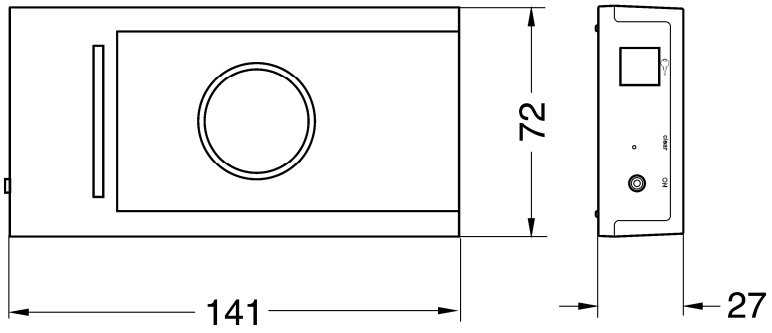
Declaration of conformity

OPERTIS GmbH herewith declares that the External Power Supply (EPS) fulfils the basic standards and other relevant specifications of the 1999/5/EG and 2011/65/EU directives and that they are CE compliant.

A copy of the statement of conformity can be ordered from the OPERTIS Support.

Dimensions

All dimensions are given in mm.



Technical data

Housing

Colour	black
Material	ABS plastic

Specific data

Supply voltage	3 volt lithium battery CR2 OPERTIS Art. No: ES0891
Operating and storage temperature	+15 °C to +45 °C **Note** The external power supply must be stored at room temperature.
Air humidity for operation and storage	max. 95 % non-condensing
Degree of protection according to EN 60529	IP41
Class of protection according to DIN EN 61140	III (safety extra-low voltage)

9 Disposal

Product

Disposal in accordance with WEEE Directive 2012/19/EU:

- Do not dispose of product by throwing it in the local household waste.
- Return product to OPERTIS or dispose of at a municipal collection point for hazardous electrical wastes.

Batteries

- Do not dispose of batteries in the local household waste but instead hand them in to public battery collection points.
- Do not throw batteries into a fire.
- Do not store used batteries together.
- Dispose of batteries only if they are discharged.

Product packaging

Dispose of the product packaging in the local household and paper waste disposal system.

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